

### **Abstract**

A continuous vacuum pan includes a cylindrical housing having a vertical axis, at least one liquid heating pan within the housing, and a vertical tube, floating calandria 5 within the liquid heating pan. The vertical tube floating calandria has a downcomer between its periphery and the periphery of the liquid heating pan, and a gap is provided between the bottom of the calandria and the bottom of the liquid heating pan. Radially extending baffles in the liquid heating pan define a plurality of compartments located in series with one another, the compartments ranging from a first upstream compartment to a downstream 10 output compartment. Ports are provided in all of the baffles except in the baffle between the output compartment and the first compartment. The ports are spaced from the bottom of the liquid heating pan, permitting communication between the compartments.

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